



Objective(s) 5.1.1.203

Primary Task:

TIE A BOWLINE

Skill No. KN-1 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots.
- 2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope, shall demonstrate tying the bowline knot."

- ◆ 1. Selects enough rope to form the size of the knot desired.
 - 2. Forms an overhand loop in the standing part.



3. Passes the working end upward through the loop.



4. Passes the working end over the top of the loop under the standing part.



- 5. Brings the working end completely around the standing part and down through the loop.
- ◆ 6. Pulls the knot snugly into place, forming an insided bowline with the working end on the inside of the loop.



- 7. Dresses knot with an overhand safety.
- Failure on this step mandates ◆ Critical Step - failure on the entire objective! SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass

Prevent or prohibit any unsafe acts.

Contact the Monitor at any time with any questions you may have. Remember, you are an evaluator, not a trainer...





Objective(s) 5.1.1.203

Primary Task:

TIEA CLOVE HITCH

Skill No. KN-2 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots and an object to tie the hitch around.
- 2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope, shall demonstrate tying a clove hitch."

METHOD ONE	METHOD TWO
Makes one complete loop around the object, crossing the working end over the standing part.	1. Forms a loop in his/her left hand with the working end to the right crossing over the standing part.
	2. Forms another loop in his/her right hand with the working end crossing over the standing part.
2. Completes the round turn about the object just	_00_
above the first loop.	3. Slides the right-hand loop under the left-hand loop.
	100p.
Passes the working end under the upper wrap, just above the cross.	4. Holds the two loops together at the rope forming the clove hitch.
◆ 4. Sets the hitch by pulling.	5. Slides the knot over the object.
	◆ 6. Pulls the ends in the opposite directions to tighten.
	• 0. I ans the ends in the opposite directions to tighten.
5. Dresses knot with overhand safety.	7. Dresses knot with overhand safety
◆ Critical Step - Failure on this step mandates failure on the entire objective! SAFETY IS PARAMOUNT!! Total steps candidate must complete to Pass 3/5	





Objective(s) 5.1.1.203

Primary Task:

TIE A FIGURE-OF-EIGHT ON A BIGHT

Skill No. KN-3 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots.
- 2. The candidate shall be given the instructions below before beginning the exercise.

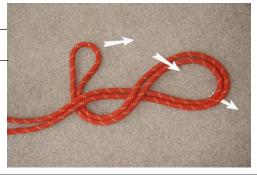
INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope, shall demonstrate tying the figure-eight on a bight knot."

◆ 1. Forms a bight in the working end of the rope and using the double rope, passes the working end over the standing part to form a loop.



- 2. Passes the bight under the standing part.
- 3. Passes the bight over the loop and through the loop.



- 4. Extends the bight through the loop to whatever size loop is needed and dresses the knot.
- 5. Ties an overhand safety knot
- ◆6. Displays the completed knot.



◆ Critical Step - Failure on this step mandates failure on the entire objective!

SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass

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Objective(s) 5.1.1.203

Primary Task:

TIEAHALFHITCH

Skill No. KN-4 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

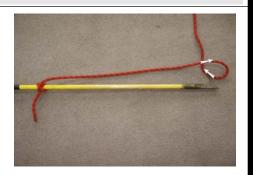
INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots and an object to tie the hitch around.
- 2. The candidate shall be given the instructions below before beginning the exercise.

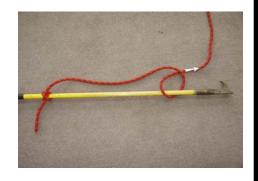
INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope, shall demonstrate tying a half hitch."

◆ 1. Makes a round turn in the rope around the object he/she is hoisting.



◆ 2. Passes the standing end of the rope under the round turn on the opposite side from the direction of the pull.



◆ 3. Pulls the standing end to dress the hitch.



◆ Critical Step - Failure on this step mandates failure on the entire objective!

SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass

3





Objective(s) 5.1.1.203

Primary Task:

TIE A BECKET KNOT

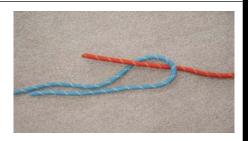
Skill No. KN-5 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with two ropes suitable for tying knots.
- 2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

- 1. "The candidate, given appropriate rope, shall demonstrate tying a becket (sheet bend) knot."
- 1. Forms a bight in working end of the larger diameter rope and passes the working end of the smaller rope through the bight.



Brings the working end of the smaller rope around both sides of the bight.



3. Tucks the working end of the smaller rope under it's own standing part and over the bight.



◆4. Draws the knot snug to complete the becket knot.



Failure on this step mandates ◆ Critical Step failure on the entire objective!

SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass 3





Objective(s) 5.1.1.203

Primary Task:

TIE AN OVERHAND SAFETY KNOT

Skill No. KN-6 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots.
- 2. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope, shall demonstrate tying an overhand safety knot."

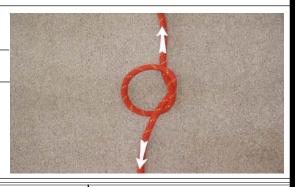
1. Forms a bight in the working end.



2. Brings the working end over the standing part to form a loop.



- 3. Passes the working end through the loop.
- ◆ 4. Displays the finished knot consisting of two interlocking bights.



◆ Critical Step - Failure on this step mandates failure on the entire objective!

SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass

3





Objective(s) 5.1.1.202, 5.3.1208 Primary Task: HOIST AN AXE

Skill No. KN-7 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots.
- 2. The candidate shall be provided with an axe.
- 3. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope and an axe, shall demonstrate tying an approved knot on the axe so that it can be hoisted."

METHOD ONE

- ◆ 1. Forms a bowline or figure-of-eight on a bight, slides the loop down the handle and wraps the formed loop around the head of the axe.
 - 2. Ties one or more half-hitches around the handle of the axe.
 - 3. Ties a safety knot in the working end of the rope.
- ◆ 4. Hoists the axe off the ground without the knot slipping.

METHOD TWO

- ◆ 1. Ties a clove hitch around the head of the axe.
 - 2. Ties one or more half-hitches around the handle of the axe.
 - 3. Ties a safety knot in the working end of the rope.
- ◆ 4. Hoists the axe off the ground without the knot slipping.

◆ Critical Step - Failure on this step mandates failure on the entire objective! SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass

3





Objective(s) 5.1.1.202, 5.3.1208 Primary Task:

HOIST A PIKE POLE

Skill No. KN-8 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots, tied off to simulate the rope being dropped from above.
- 2. The candidate shall be provided with a pike pole.
- 3. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope and a pike pole, shall demonstrate tying an approved knot on the pike pole so that it can be hoisted."

- ◆ 1. Form a clove hitch at approximately the mid-point of the pole.
 - 2. Ties one or more half hitches around the handle toward the head.
- ◆ 3. Ties a half-hitch around the head of the pike pole.
 - 4. Secure with an overhand safety in the working end.
- ◆ 5. Hoists the pike pole without the knot slipping.

◆ Critical Step - Failure on this step mandates failure on the entire objective!

SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass

4





Objective(s) 5.1.1.202, 5.3.1208 Primary Task: HOIST A GROUND LADDER

Skill No. KN-9 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots, tied off to simulate the rope being dropped from above.
- 2. The candidate shall be provided with a ladder.
- 3. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope and a ladder, shall demonstrate tying an approved knot so that the ladder can be hoisted."

- ◆ 1. Ties a bowline or figure of eight on a bight with a large loop with a safety knot.
 - 2. Slips the loop between two rungs about one-third of the way down the ladder.
 - 3. Pulls the loop back over the top of the ladder around the beams.
 - 4. Takes up the slack in the line to tighten the loop around the beams.
- ◆ 5. Hoists the ladder off the ground without the knot slipping.

◆ Critical Step - Failure on this step mandates failure on the entire objective!

SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass

4





Objective(s) 5.1.1.202, 5.3.1208 HOISTING A DRY HOSE LINE **Primary Task:**

Skill No. KN-10 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots, tied off to simulate the rope being dropped from above.
- 2. The candidate shall be provided with a dry hoseline with nozzle.
- 3. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope and a dry hoseline, shall demonstrate tying an approved knot on the hose so that it can be hoisted."

- ◆ 1. Folds the hose with the nozzle back over the hose, shut-off against the hose, to form a bight about 3 5 feet long.
 - 2. Forms a clove hitch around the nozzle and hose together.
 - 3. Ties one or more half-hitches around the bight in the hose.
 - 4. Ties a safety knot in the working end of the rope at the nozzle.
- ◆ 5. Hoists the hose without the knot slipping.

failure on the entire objective! SAFETY IS PARAMOUNT!! Failure on this step mandates ◆ Critical Step -

Total steps candidate must complete to Pass





Objective(s) 5.1.1.202, 5.3.1208

Primary Task:

HOISTING A CHARGED HOSE LINE

Skill No. KN-11 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots, tied off to simulate the rope being dropped from above.
- 2. The candidate shall be provided with a charged hoseline.
- 3. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope and a charged hoseline, shall demonstrate tying an approved knot on the hoseline so that it can be hoisted."

- ◆ 1. Ties a clove hitch around the hose about 1-3 ft. back from the nozzle.
 - 2. Forms a bight in the standing part and pushes it under the bale of the nozzle toward the nozzle tip.
 - 3. Twists the bight to form a half-hitch and places the loop in the half-hitch over the end of the
 - 4. Adjusts the half-hitch around the nozzle so that it will hold the bale in the off position.
 - 5. Ties a safety knot in the working end of the rope.
- ◆ 6. Hoists the hoseline without the knot slipping.

failure on the entire objective! SAFETY IS PARAMOUNT!! ◆ Critical Step -

Total steps candidate must complete to Pass





Objective(s) 5.1.1.202, 5.3.1208

Primary Task:

HOIST A SMOKE EJECTOR

Skill No. KN-12 PERFORMANCE EVALUATION & INSTRUCTIONS SHEET

INSTRUCTIONS TO THE MONITOR/EVALUATOR

- 1. The candidate shall be provided with a rope suitable for tying knots, tied off to simulate the rope being dropped from above.
- 2. The candidate shall be provided with a smoke ejector or positive pressure ventilation fan.
- 3. The candidate shall be given the instructions below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

"The candidate, given appropriate rope and a smoke ejector or positive pressure ventilation fan, shall demonstrate tying an approved knot so that it can be hoisted."

- ◆ 1. Ties a bowline or figure of eight on a bight around two of the connecting rods between the front and the back plates.
 - 2. Secures the knot with an overhand safety knot.
 - 3. Using a clove hitch, attaches a tag line to the opposite side of the ejector.
- 4. Hoists the ejector/PPV fan off the ground without the knot slipping.

Failure on this step mandates ◆ Critical Step failure on the entire objective!

SAFETY IS PARAMOUNT!!

Total steps candidate must complete to Pass 3